IDNIN V. K.

6

16(1)

Pestov, G., and Ionin. V. AUTHORS:

SOV/20-127-6-7/51

TITLE:

On the Largest Possible Circle Imbedded in a Given Closed Curve

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 6, pp 1170-1172 (USSR)

ABSTRACT:

Theorem 1: Let the radius of curvature of a closed non intersecting two times continuously differentiable curve & be everywhere not smaller than Ro; then there always exists a circle

with the radius R lying completely in the closed domain bounded

The curvature in the point PEY is counted negatively if Y in the point P is convex with respect to the interior.

Theorem 2: Let & be closed, let it have no intersections, and let it be two times continuously differentiable. Let the curvature of Y be everywhere not larger than k. Then there

exists a sphere of radius $\frac{1}{k}$ lying completely in the interior of the domain bounded by X.

Card 1/2

On the Largest Possible Circle Imbedded in a SOV/20-127-6-7/51 Given Closed Curve

Theorem 3: Under the assumptions of theorem 2 the length of x is not smaller than $\frac{2\pi}{k}$ and the area bounded by x is not smaller than $\frac{\pi}{k^2}$.

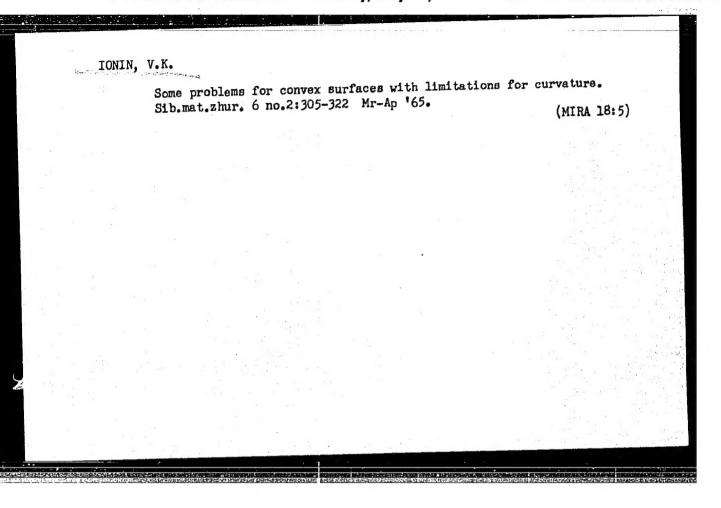
The author mentions A.I. Fet.

PRESENTED: April 29, 1959, by S.L. Sobolev, Academician

SUBMITTED: March 30, 1959

Card 2/2

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051871



66441 16(1)- 16,5400 sov/20-129-3-6/70 Ionin, V.K., and Suvorov, G.D. On the Components of the Level Sets of the Function - Distance TITLE: to a Plane Continuum PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 129, Nr 3, pp 496-498 (USSR) Let K be a bounded continuum in the plane P and $r = g(M,K) \equiv g(M)$ be the distance between the point MEP and K. The level set E of ABSTRACT: S(M) is the set of all $M \in P$ for which S(M) = r.

Theorem: Let S_r^{∞} be a component of S_r^{∞} ; let S_r^{∞} be that connected component of the open set $P \setminus E_T^{\alpha}$ which contains K; let G_T^{α} be the boundary of G_T^{α} . Then all simple ends of G_T^{α} contain one point each; it is Er = Grand it holds: I. For all r>0 the E may belong only to the following types: 1. simple closed rectifiable Jordan curve; 2. simple open smooth Jordan arc; 3. sum of finitely or countably many closed simple Jordan curves, smooth arcs, etc.; 4. point. II. The closed curves in the types 1 and 3 have no tangent in at most countably many points (corner points). The ramification points in type 3 are points of regression. Card 1/3

66441

On the Components of the Level Sets of the Function-Distance to a Plane Continuum

sov/20-129-3-6/70

III. Components of the type 2 and 3 are possible at most for countably many level sets E. If the components of the type 1 in a countable number appear also only for countably many level sets, then at most countably many level sets have the components of the type 4.

IV. Let $\Delta = \Delta(\alpha, r, \delta)$ be the set of those points of C_r^{κ} the distance of which from E_r^{κ} is smaller than δ , $0 < \delta < r$. Let Δ be

the boundary of Δ . Then $\Delta^* \setminus E_r = \Gamma(\alpha, r, \delta)$ is a simple closed smooth Jordan curve. Let $1(\alpha, r, \delta)$ be its length and $1(\alpha, r)$ be the "length" (defined below) of E_r . Then

(1) $1(\alpha, r) = 1(\alpha, r, \delta) \pm 2\pi\delta$.

The set $\bigcup_{\alpha,r,\delta} \Gamma(\alpha,r,\delta)$ is a two times connected region and

S(α ,r) its area; it is (2) $1(\alpha,r) = \frac{S(\alpha,r) * \pi^2}{r}.$

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Card 2/3

66441

On the Components of the Level Sets of the Function-Distance to a Plane Continuum

SOV/20-129-3-6/70

In (1) and (2) it holds + if G_r^{α} is bounded, and - if G_r^{α} is unbounded.

Definition of the length of $1(\alpha,r)$: Let E be the boundary of a simply connected domain G; let all simple ends of G contain only one point each. Let $\mathbf{p_1}, \dots, \mathbf{p_n}$ be simple ends consecutive in

cyclic order; they define a polygon; the sum of the legths of the single pieces is the length of the polygon. The upper limit of the legths of the polygon for different sets (p_1, \dots, p_n) is called the "length" of E. There are 2 Soviet references.

ASSOCIATION: Tomskiy gosudarstvennyy universitet imeni V.V. Kuybysheva

(Tomsk State University imeni V.V.Kuybyshev)

PRESENTED: July 8, 1959, by M.A.Lavrent'yev, Academician

SUBMITTED: July 2, 1959

Card 3/3

S/020/63/148/002/006/037 B172/B102

AUTHOR:

Ionin, V. K.

TITLE:

Relations between the radii of the inscribed and circumscribed spheres of a closed convex surface

PERIODICAL:

Akademiya nauk SSSR. Doklady, v. 148, no. 2, 1963,

268-270

TEXT: $u = u(x_1, x_2, \dots, x_n)$ $(n = 2,3,\dots)$ denotes a continuous symmetric function defined for $x_1 > 0$, $x_2 > 0,\dots, x_n > 0$ showing strong monotonic increase with each argument; $u(1,1,\dots,1) = 0$. An n-dimensional surface $\overline{\Phi}$ in the Euclidean space E^{n+1} belongs to the class $\overline{\Phi}_u$ or to class $\overline{\Phi}_u^n$ according as its principal radii of curvature R_1, R_2, \dots, R_n satisfy the relation $u(R_1, R_2, \dots, R_n) \leq 0$ or $u(R_1, R_2, \dots, R_n) \geq 0$. To each closed convex surface $\overline{\Phi}$ is assigned a pair of numbers (R,r), where R and r are the radii of the smallest circumscribed and largest inscribed spheres, respectively. Two laws are formulated as to the magnitude of the pair Card 1/3

Relations between the radii ...

S/020/63/148/002/006/037 B172/B102

(R,r) when Φ is in Φ_u or in Φ^u . From this follow the laws of Blaschke and Bonnet for $u=x_1x_2^{-1}$. Two more laws are given for other functions u. Law 3: If $u=x_1+x_2+\cdots+x_n-n$, then each function $\Phi\in\Phi_u$ is contained in a sphere of radius $\frac{1}{\sin\beta}$, where $\beta>0$ is defined by

$$\int_{0}^{\beta} \frac{d\psi}{\cos^{n-1}\psi} = \frac{1}{(n-1)\cos^{n-2}\beta \sin\beta}$$

this estimation cannot be bettered. Law 4: Follows for $\mu = \frac{z_{x_1}x_2}{x_1+x_2}$

if the mean curvature of a convex surface Φ is not smaller than 1 at any point, then $\overline{\Phi}$ is contained in a sphere of radius 1/2; this estimation cannot be bettered.

ASSOCIATION:

'Institut matematiki s vychislitel'nym tsentrom Sibirskogo otdeleniya Akademii nauk SSSR (Institute of Mathematics with Computer Center of the Siberian Branch of the Academy of Sciences USSR)

Card 2/3

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051871

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SUBMITTED:	July 7, 1962		
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Card 3/3			

ICMIN. V. M.: "Forest growth conditions of the non-productive areas in the forwidden zone of the central course of the river Nfc. and basic principles of their afformation." The higher Education USSR. Upel Forestry Enrineming Inch. Sverdlovsk, 1956. (Dissertation for the Degree of Candidate in Sciences Agricultural)

So: Ketzhnava letopis' No 38, 1955. Noscow

MALYUTIN, K.G.; SMIRNOV, V.M., glav. red.; TOCHILKINA, Yu.T., red.; IONIN, V.M., red.; PETROV, M.F., red.

[List of the higher plants of Chelyabinsk Province] Spisok vysehikh restenii Cheliabinskoi oblasti. Sverdlovsk, Ural'skii nauchno-issl. in-t Akad. kommun.khoz. 1961. 65 p.

(MIRA 17:9)

In the Physical Therapy Society of Moscow. Vop.kur.fisioter. i lech.fis. kul't. 21 no.2:90 Ap-Je '56. (MIRA 9:9) (MOSCOW--PHYSICAL THERAPY)

IONINA, A.

"Physical culture in the system of health protection for children and adolescents." Edited by S.M. Ivanov. Reviewed by A. Ionina.

Vop.kur., fizioter.i lech.fiz.kul't. 25 no.1:82 60. (MIRA 13:5)

(EXERCISE THERAPY)

"Exercise therapy in a pediatric orthopedic clinic" by A.B. Gandel'sman. Reviewed by A.Ionina. Vop.kur., fizioter.1 lech. fiz.kul't. 28 no.1:88 863. (MIRA 16:4) (EXERCISE THERAPY) (GANDEL'SMAN, A.B.)

Exercise therapy in spastic and flaccid paralysis. Med. sestra
19 no.5:15-18 My '6C. (MIRA 13:9)

1. Iz kafedry lechebnoy fiskul'tury TSentral'nogo instituta
psovershenstvovaniya vrachey, Moskva.

(EXERCISE THERAPY) (PARALYSIS)

KRYACHKO, I.A., dots., otv. red.; MOSHKOV, V.N., prof., red.;
LETUNOV, S.P., prof., red.; IONINA. A.V., dots., red.;
MOTYLYANSKAYA, R.Ye., kand. med. nauk, red.;
KUKOLEVSKIY, G.M., red.; KHITRIK, I.I., kand. med.nauk,
red.; ASKEROV, A.A., kand. med.nauk, red.; LYUDKOVSKAYA,
N.I., tekhn. red.

[Physical culture and health] Fizicheskaia kulitura i adorovie; trudy. Moskva, Medgis, 1963. 375 p.
(MIRA 16:7)

1. Vsesoyusnaya nauchno-prakticheskaya konferentsiya po vrachebnomu kontrolyu i lechebnoy fizicheskoy kul'ture.
Moscow, 1961. 2. TSentral'nyy nauchno-issledovatel'skiy institut fizicheskoy kul'tury (for Letunow, Motylyanskaya).
3. Laboratoriya meditsinskogo kontrolya Gosudarstvennogo tsentral'nogo ordena Lenina instituta fizicheskoy kul'tury (for Kukolevskiy). 4. Chlen-korrespondent AMN SSSR i TSentral'nyy institut usovershenstvovaniya vrachey (for Moshkov). 5. TSentral'nyy institut kurortologii i fizicterapii (for Khitrik).

(SFORTS MEDICINE--CONGRESSES)

HECHATEV, Mikhail Aleksandrovich; STOLFMER, Ye.B., inshener, redsktor; IOHIMA, I.M., vedushchiy redsktor; GERMAD'INVA, I.M., tekhredsktor

[Safety engineering for gas pipelines and gas apparatus] Tekhnika bengpasnosti as gasoprovodski i gasovykh ustenovkski. Leningred, Gos.nsuchno-tekhn.isd-vo neft. i gorno-toplivnoi lit-ry, Leningr. etd-nie, 1957. 200 p.

(MEMA 10:7)

(Gas pipes) (Gas manufacture and works)

STASKEVICH, Nikolay Lukich; GORSHKOV, V.A., nauchnyy red.; IONIHA, I.H., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Manual on gas distribution] Spravochnoe rukovodstvo po gazosnabzhaniiu. Leningrad, Gos.nauchno-tekhn.izd-vo neft. 1 gornotoplivnoi lit-ry, Leningr.otd-nie, 1960. 875 p. (Ges) (MIRA 13:12)

LI, P.F.; RAVDONIKAS, O.V.; IONINA, I.N., vodushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Geological structure and prospects for finding oil and gas in the Tavda River Basin of the West Siberian Plain] Geologicheskoe stroenie i perspektivy neftegazonosnosti basseina r. Tavdy Zapadno-Sibirskoi nizmennosti. Leningrad, Gos. nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry. Leningr. otd-nie, 1960. 169 p. (Leningrad. Vsesoiuznyi geologicheskii institut. Materialy, no.38) (MIRA 14:7) (Tavda Valley-Patroleum geology) (Tavda Valley-Gas, Matural-Geology)

ATABEKYAN, Ashot Arsenovich; LIKHACHEVA, Anna Alekseyevna; LUPPOV, N.P., red.; IONINA, I.N., ved. red.; YASHCHURZHINSKAYA, A.B., tekhn. red.

[Upper Cretaceous sediments of the western Kopet-Dag] Verkhnemelovye otlozheniia Zapadnogo Kopet-Daga. Leningrad, Gos.nauchno-tekhn.
izd-vo neft. i gorno-toplivnoi lit-ry, Leningr. otd-nie, 1961.
241 p. (Leningrad, Vsesoiuznyi geologicheskii institut. Trudy, no.10)
(MIRA 15:6)

1. Rukovoditel' Srednenziatskoy ekspeditsii Vseoyuznogo nauchnoissledovatel'skogo geologicheskogo instituta (for Luppov). (Kopet-Dag-Petroleum geology)

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DROGALIN, G.V.; KURAS, D.M.; POLESIN, Ya.L.; NOVIKOV, M.M., nauchnyy red.; IONINA. I.N., ved. red.; YASHCHURZHINSKAYA, A.B., tekhm. red.

[Safety engineering in geological prospecting] Tekhnika bezopasnosti pri geologoranvedochnykh rabotakh. Leningrad, Gos.
nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1961.
370 p. (MIRA 15:3)
(Prospecting-Safety measures)

NERUCHEV, Sergey Germanovich; VASSOYEVICH, N.B., nauchnyy red.;
IONINA, I.N., ved. red.; YASHCHURZHINSKAYA, A.B., tekhn.

[Oil-producing layers and oil migration; results of studying organic matter in sedimentary rocks]Nefteproizvodiashchie control organ

(Petroleum geology)

VASILEVSKAYA, Nina Dmitriyevna; PAVLOV, Vadim Viktorovich; GUSEV, A.R., kand. geol.-mineral. nauk, red.; IONINA, I.N., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn. red.

(Stratigraphy and flora of Cretaceous sediments in the Lena-Olenek region of the Lena coal basin] Stratigrafiia i flora melovykh otloshenii Leno-Olenekskogo raiona Lenskogo uglenosnogo basseina. Leningrad, Gostoptekhizdat, 1963. 95 p. (Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Trudy, vol. 128. Problemy neftegasonosnosti Arktiki, vol. 2).

(MIRA 16:6) (Iena Basin—Paleobotany, Stratigraphic) (Iena Basin—Coal geology)

PRSMROWNYY, Mikolay Sergeyevich; GEMP, Sergey Dmitriyevich; SHVARTS, Tamara Vasil'yevna; IONINA, I.N., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Deep faults in western Turkmenia and their role in the formation of oil pools] Glubinnye razlomy Zapadnoi Turkmenii i ikh rol' v formirovanii neftianykh zalezhei. Leningrad, Gostoptekhizdat, 1963. 104 p. (Leningrad. Vsesoiuznyi neftianoi nauchnoissledovatel'skii geologorazvedochryi institut. Trudy, no.210). (MIRA 16:12)

LAVROV, V.V., doktor geol.-mineral.nauk, otv.red.; IONINA, I.N., red.izd-va; KONDRAT'YEVA, M.N., tekhn.red.

[History of the Neogene coal accumulation in Sakhalin.] Istoriia neogenovogo uglenakopleniia na territorii Sakhalina. Moskva, Izd-vo Akad. nauk SSSR, 1963. 217 p. (Akademiia nauk SSSR. Laboratoriia geologii uglia. Trudy, no.19). (MIRA 17:2)

KUDRYAVTSEV, Nikolay Aleksandrovich; IONINA, I.N., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn. red.

[Deep faults and oil fields.] Glubinnys razlomy i neftianys mestoroshdeniia. Ieningrad, 1963. 219 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii institut. Trudy, no.215) (MIRA 17:1)

SMEKHOV, Ye.M., prof., doktor geol.-mineral. nauk; BULACH, M.Kh.;
ROMM, Ye.S.; POZINENKO, B.V.; GORYUNOV, I.I.; KNORING, L.D.;
GMID, L.P.; GROMOV, V.K.; KUZNETSOV, Yu.I.; DOROFEYEVA, T.V.;
KALACHEVA, V.N.; KLEYNOSOV, Yu.F.; TATARINOV, I.V.;
IONINA, I.N., vedushchiy red.; YASHCHURZHINSKAYA, A.B.,
Cekhn. red.

[Combined investigations of fractured reservoirs and experience in estimating the petroleum reserves contained therein.] Kompleksnye issledovaniia treschimykh kollektorov i opyt podscheta v nikh zapasov nefti. Leningrad, Gostoptekhizdat, 1963. 198 p. (Leningrad. Vsesciuznyi neftianof nauchno-issledovatel skii geologorazvedochnyi institut.

Trudy, no.214) (MIRA 17:1)

E/BADAGLY , V.A.; RAVIKOVICH, Kh.A.; KUDRYASHOV, Ye.V.; ATAULLIN, E.I.: Prinimali uchastiye GONCHAROV, E.S.; IONINA, I.N., ved. red.

[Lithology, tectonics, and oil and gas potentials of the northeastern margin of the Fergana Depression] Litologiia, tektonika i neftegazonostost' neogenovykh otlozhenii severo-vostochnogo borta Ferganskoi depressii. [By] V.A. B. badagly i dr. Leningrad, Nedra, 1964. 181 p.

(MIRA 18:3)

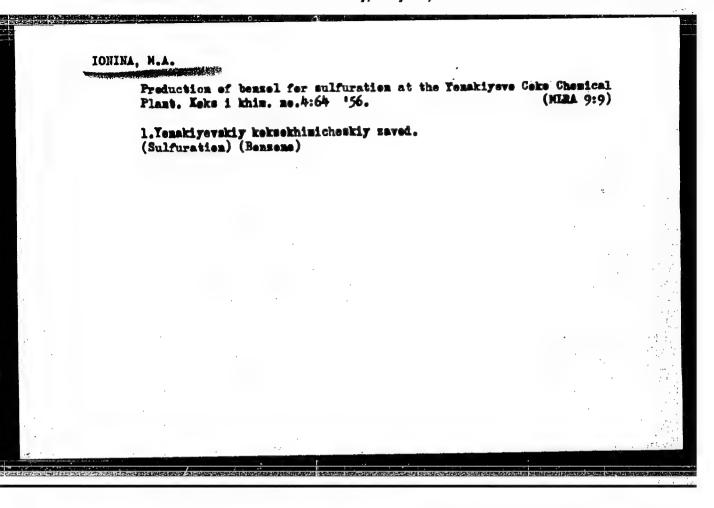
1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirod-nykh gazov. Sredneaziatskiy filia

GRACHEV, R.I.; ANSIMOV, V.V.; BOYARSKIKH, G.K.; VERESHCHAKO, I.A.; MIN'KO, V.A.; MIRONOV, Yu.K.; SMIRNOV, V.G.; SHAMES, D.Z.; IONINA, I.N., vedushchiy red; CHOCHIA, N.G., red.

[Geological and economic efficiency in prospecting for oil and gas in the West Siberian Plain.] Geologo-ekonomicheskaia effektivnost' geologopoiskovykh i razvedochnykh rabot na neft' i gaz v Zapadno-Sibirskoi nizmennosti. Leningrad, Gostoptekhizdat, 1963. 199 p. map (insert. Leningrad. Vsesoiuznyi i neftianoi nauchro-issledovatel' skii geologorazvedochnyi institut. Trudy, no.206). (MIRA 17:10)

KRISHTOFOVICH, Lyudmila Vyacheslavovna; VOLKOVA, N.S., red.; ICNINA, I.N., vedushchiy red.

[Tertuary mollusks of Sakhalin] Mclliuski tretichnykh otlozhenii Sakhalina. Leningrad, Nedra, 1964.342 p. (Leningrad, Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no.232). (MIRA 18:1)



SOV/68-59-7-22/33

Glezer, I.G., Edel'man, Sh.I., Ionina, M.A. and Kiseleva, AUTHORS:

N.M.

Experience of the Operation of a Plant for the Continuous TITIE:

Washing of Benzole

Koks i khimiya, 1959, Nr 7, pp 54 - 57 (USSR) PERIODICAL:

Operation of the plant for the continuous washing of raw ABSTRACT:

benzole is described. The plant was erected at the Works in 1955 and underwent a number of modifications. The scheme finally adopted is as follows: raw benzole-toluole-xylole fraction (95% distills over at 140 - 145°C) and concentrated sulphuric acid flows from gravity tanks through a proportioning equipment into a centrifugal pump where the initial mixing takes place, the pump passes the mixture through 8 mixing balls in series (250 mm dia made from cast iron) interconnected with 1" pipe forming an angle of 90 between the inlets and outlets. Here the main part of the reaction takes place. In order to prolong the time of contact of the fraction with the acid, the mixture is passed into a contact vessel (cylindrical vessel - no details of the internal design are given). From the contact vessel the

Card 1/3

SOV/68-59-7-22/33

Experience of the Operation of a Plant for the Continuous Washing of Benzole

mixture is passed to a mixing ball to which technical water for the regeneration of acid is added. From this mixer the mixture is passed to a settling tank where the regenerated acid and acid tar settle. The regenerated acid flows continuously by gravity into a storage tank. The acid tar is removed periodically once every 2 - 3 days. The acid washed fraction flows by gravity from the settling tank into a bowl mixer to which a centrifugal pump passes to aqueous solution of alkali. The mixture is passed into a settling tank from which alkali is passed into an intermediate tank for further re-use while the washed benzole is passed into a storage tank. A temperature of 45 - 48°C is maintained throughout the process. In winter this temperature is maintained by preheating the raw fraction to 27 - 30°C. The con-

Card 2/3

SOV/68-59-7-22/33

Experience of the Operation of a Plant for the Continuous Washing of Benzole

sumption of acid depends on the temperature at which 95% of the fraction distills over (Table 1). The average consumption of acid (after subtraction of the regenerated acid), amounts to 15 kg/ton of benzole. The wash losses of benzole were decreased from 6.3% in 1955 to 3.9% in 1957 (Table 2). The installation is recommended for general use.

There is 1 figure and 2 tables.

ASSCCIATION: Yenakiyeskiy koksokhimicheski7 zavod (Yenakiyevo Coking Works)

Card 3/3

SOV/68-59-9-18/22

AUTHOR: Tonina, M.A.

TTTLE: Operation of a Column with Perforated Plates

PERIODICAL: Koks i khimiya, 1959, Nr 9, pp 58 - 60 (USSR)

ABSTRACT: At the Yenakiyevo Works one of the benzole desorption columns (which badly corroded after 5 years of operation) was replaced by a column with perforated plates. Despite wrong dimensions for the required throughput (due to the utilisation of the old body) the column operates satisfactorily. The use of a column with perforated plates for the desorption of benzole is advocated.

There are 2 tables.

ASSOCIATION: Yenakiyevskiy koksokhimicheskiy zavod (Yenakiyevo Coking Works)

Card 1/1

S/068/60/000/001/004/006 E071/E433

AUTHORS:

Glazunov, A.A., Glezer, I.G., Ionina, M.A.,

Edel'man, Sh. I. and Zemblevskiy, K.K.

TITLE:

Utilization of the Pyrolysis Tar-Wash Product From

Synthetic Alcohol Plants

PERIODICAL: Koks i khimiya, 1960, No.1, pp.44-47

In utilizing petroleum and natural gas in the production of synthetic alcohol, the gases are cracked in order to increase their ethylene\content. The tar formed during the process under the name of pyrolysis tar was treated as a waste product. The authors carried out an investigation of the chemical composition of this product in order to determine its possible application for the production of aromatic hydrocarbons. A sample of the tar from the Saratov Works was taken for the investigation (sp.gr. 0.873, IBB 65°; 100° 54%; 125° 68%; 150° 75%; 180° Rectification on a column equivalent to 24 theoretical plates (Table 1) indicated that the tar contained about 50% of benzole, toluole, xylole and solvent naphtha; unsaturated compounds were distributed non-uniformly concentrating mainly in the head and

Card 1/3

S/068/60/000/001/004/006 E071/E433

Utilization of the Pyrolysis Tar-Wash Product From Synthetic Alcohol Plants

bottom fractions. Laboratory investigations of the washed fraction boiling to 180°C (Table 2) indicated that it can be used for the production of pure benzole (synthetic grade), In view of high wash losses (35.9%), the boiling range of the fraction most suitable for further treatment was determined as 79 to 135°C. Laboratory results were confirmed on an industrial batch unit (Table 4). The following products can be obtained: heads and 19.7%, benzole 32.2%, toluole 12.2%, xylole 1.6%, losses solvent naphtha 13.8%, residues 16.2%, washing losses 4.3%. About 65% of benzole can be obtained of a synthetic grade. Residues contained about 63% of unsaturated suitable for the production of resins. However, the residue could not be processed together with benzole residues on the Works; coumarone resin plant. Their further processing is being investigated. Industrial processing of the pyrolysis tar was started on the Works according to the scheme shown in Fig.l. It consists of batch distillation with the collection of four fractions: forerunnings up to 70°C, BTX fraction (live steam) 79 to 90°C; solvent naphtha (live Card 2/3

S/068/60/000/001/004/006 E071/E433

Utilization of the Pyrolysis Tar-Wash Product From Synthetic Alcohol Plants

steam) 90 to 100°C and still residues. The washed BTX fraction is distilled on a continuous plant with collection of pure benzole and BX residues. The latter are passed through a continuous toluene column with the collection of pure toluole and residues which are then processed in a batch unit with the collection of the TK fraction (returned to the toluene column), xylole, solvent naphtha and residues. It is concluded that at present the processing of the pyrolysis tar on existing coke oven plants would be advantageous. The design of a special central plant of a large capacity for the processing of all the available pyrolysis residues is recommended. There are 2 figures and 4 tables.

ASSOCIATIONS: Yenakiyevskiykokosokhimicheskiy zavod (Yenakiyevo Coking Works) Glazunov, A.A., Glezer, I.G.,
Ionina, M.A. and Edel'man, Sh.I.;
Stalinskiy sovnarkhoz (Stalino Sovnarkhoz)
Zemblevskiy, K.K.

Card 3/3

TURIK, I.A.; GLEZER, I.G.; IONINA, M.A.; NOVIKOVA, V.I.; SUROVISEV, S.A.; FOMIN, V.K.

Ways for improving the quality of foundry coke. Koks i khim. no.9:25-27 '62. (MIRA 16:10)

1. Ukrainskiy uglekhimicheskiy institut (for Turik).

2. Yenakiyevskiy koksokhimicheskiy zavod (for all except Turik).
(Coke)

CHEN, N.G.; COL'DEHTEYN, B.I.; IONINA, M.A.

Studying the anticorrosive and antiscale properties of phenol waters of the Yenakiyevo bke and Coal Chemicals Plant. Koks i khim. no.10:46-49 '63. (MIRA 16:11)

1. Dneprodserzhinskiy metallurgicheskiy zavod-vtuz (for Chen).
2. Yenakiyevskiy koksokhimicheskiy zavod (for Gol'dshteyn, Ionina).

GLAZUNOV, A.A.; GLEZER, I.G.; EDEL'MAN, Sh.I.; IONINA, M.A.; ZEMBLEVSKIY, K.K.

Method for the complete processing of coal tar obtained by pyrolysis. Toks i khim. no.8:39-42 '62. (MIRA 17:2)

1. Yenakiyevskiy koksokhimicheskiy zavod (for Glazunov, Gle zer, Edel'man, Ionina). 2. Donetskiy sovet narodnogo khozyaystva (for Zemblevskiy).

IONIN, M.V.; KURINA, N.V.; SUDOPLATOVA, A.Ye.

Solubility of hydrogen chloride in alcohols. Trudy po khim.i khim.tekh.
no.ls47-48 *63.

(MIRA 17:12)

IONIN, M.V.; KURINA, N.V.

Determination of mean activity coefficients and osmotic coefficients of HCl in concentrated solutions. Trudy po khim.i khim.tekh. no.1:40-42 *64.

(MIRA 18:12)

1. Submitted April 26, 1963.

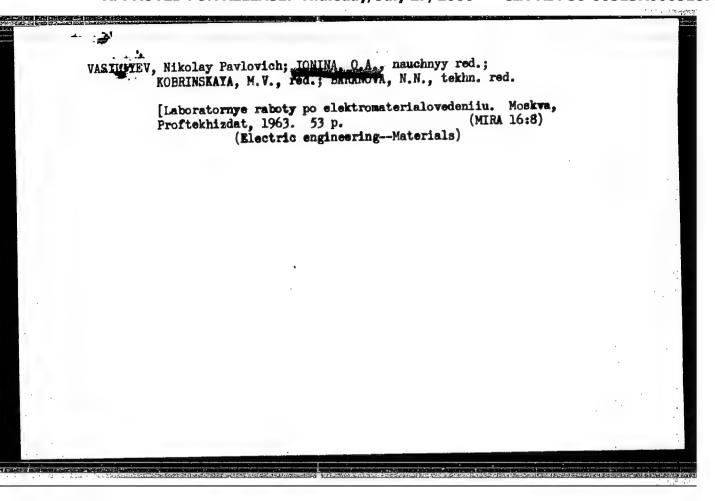
IONIN, M.V.: FONCMARROE, I.N., ZVORIKINA, G.I.

Rechaming of copper dissolution in hydrochloric acid. Trudy po khimei khimeiskie no.1:32-35 '64.

Mechanism of silver dissolution in hydrochloric acid.

1bid.:36-39 (MIRA 18:12)

1. Submitted September 23, 1963.



Experience in the eradication of diphtheria in uzerzhinsk. Zhur. mikrobiol.; epid. i immun. 41 no.6:131-132 Je '64. (MIRA 18:1) 1. Dzerzhinskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya.
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TENDLER, V.M.; BRYAKALOV, A.A.; Prinimali uchastiye: LEVINA, K.S.;
SUNTSOVA, M.P.; IONIS, A.G.

Manufacture of parts from premixed molding compositions. Plast.massy no.5:34-36 '62. (MIRA 15:4)

(Plastics--Molding)

CHERNOVA, I.M.; IONIS, M.V.; KURTS, L.Yu.

Testing various materials for protecting medical instruments from corrosion. Med.prom. 11 no.11:51-53 N '57. (MIRA:11:1)

1. Mediko-instrumental'nyy ordena Lenius Zavod "Krasnogvardayets" (MEDICAL INSTRUMENTS AND APPARATUS) (CORROSION AND ANTICORROSIVES)

CHERNOVA, I.N.; IONIS, M.Y..

Applying two-layer antireflection films to optical instruments with light passages up to 10 millimeters in diameter. Med., prom. 13 no.2:48-51 F '59. (MIRA 12:3)

1. Mediko-instrumental'nyy savod "Krasnogvardeyets."

(LENSES)

Use of epoxide resize in the manufacture of medical articles.

Med.prom. 13 no.7:52-54 J1 '59. (MIRA 12:10)

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(RESINS, SYNTHETIC)

IONISCU, N; GADIDOV, N.; STAMESCU, S.

Biology and fishing of Sarda sards Bloch in the Rumanian waters of the Black sea in 1954-1956. p. 165.

HIDROBIOLOGIA. (Academia Republici Populare Romine. Comisie de Hidrologie, Hidrobiologie si Ihitiologie) Bucuresti, Rumania. Vol. 1, 1958.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

IONISTEA, M.

New contributions to the knowledge of the coleopterous fauna in the Prahova Valley and in the Bucegi Mountains. p. 121.

(ANALELE. SERIA STIINTELOR NATURII. Rumania. Vol. 5, no. 10, 1956)

SO: Mont hly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

TONIS YANTS V.P.

BALAKHOVSKAYA, M.I., LONISYANTS, V.P. (Moscow)

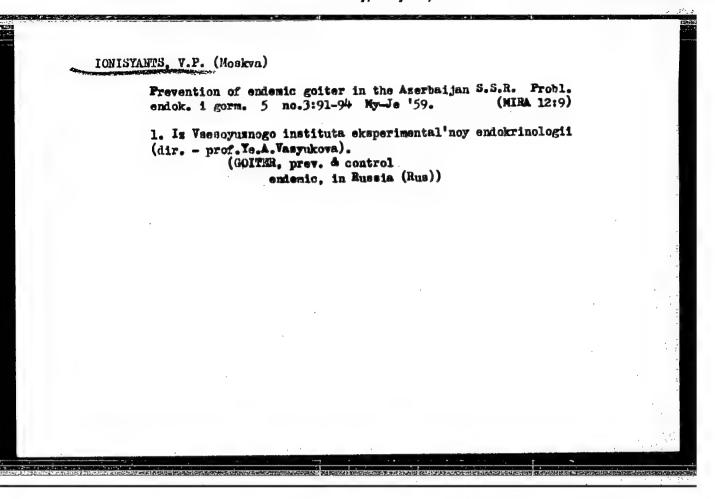
Endemic goiter among the population of Gunib and Lakskiy Districts of the Dagestan Autonomous Soviet Socialist Republic. Prob. endok. i gorm. developed in the control of the problem of the problem of the control of the contro

RHVOROV, V.V., doktor med. nauk; IONISYANTS, V.P. (Moskva)

Data on endemic goiter in Krasnodar Territory. Probl. endok. 1 gorm.
5 no.2:98-102 Mr-Ap '59 (MIRA 12:7)

l. Is Vsesoyusnogo instituta eksperimental'noy endokrinologii (dir. - prof. Ye. A. Vasyukova).

(GOITER, epidemiol, endemiolity in hussia (hus))

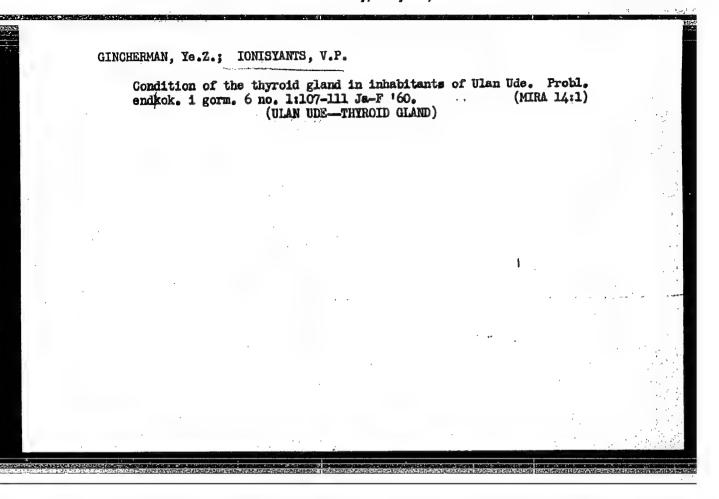


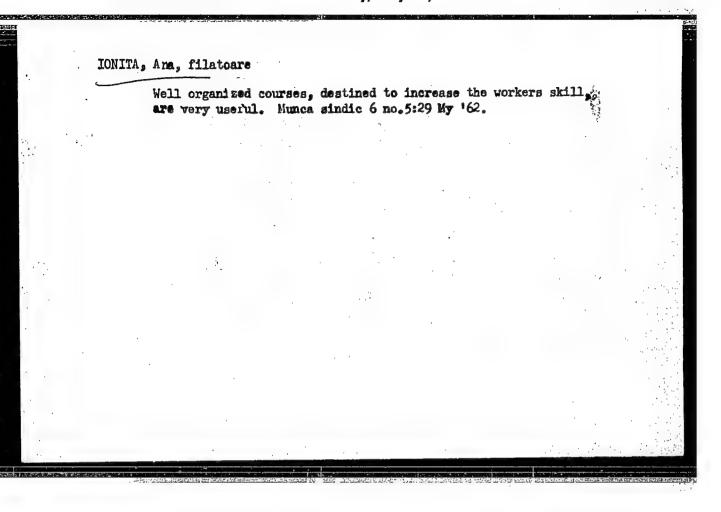
IONISTANTS, V.P. (Moskva)

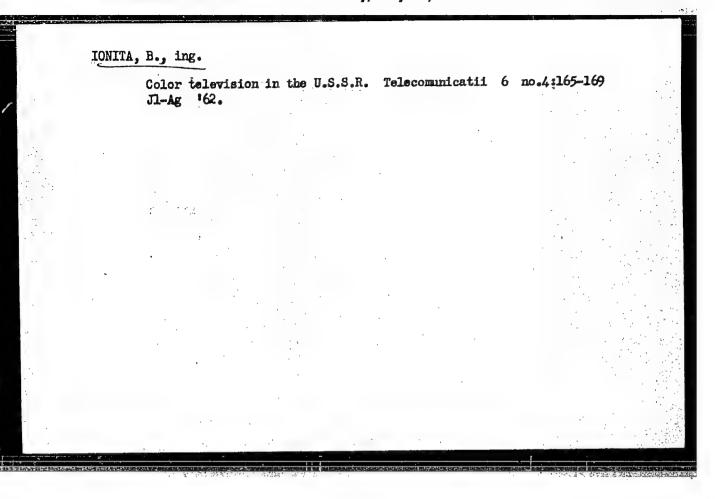
Thyroid gland disease in inhabitants of Smolensk Province. Probl. endok.i gorm. 5 no.6298-100 N-D 159. (MIRA 13:5)

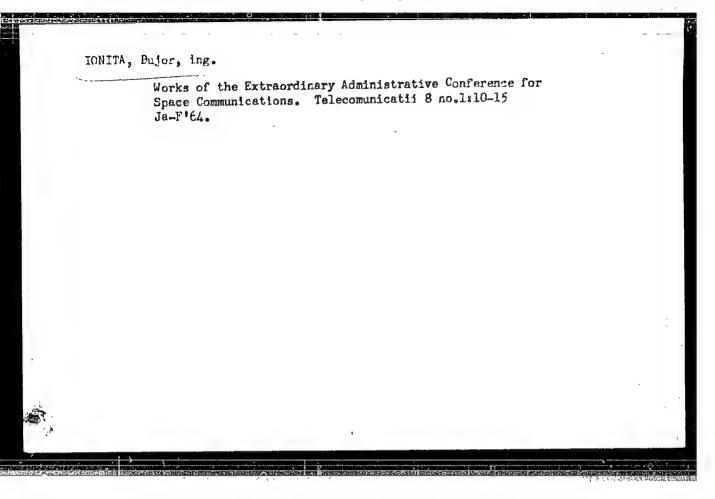
1. Is organisatsionno-metodicheskogo otdela (sav. - doktor med. nauk N.I. Santotskiy) Vessoyusnogo instituta eksperimental noy endokrinologii (dir. - prof. Ye.A. Vasyukova).

(GOITER statist.)









FONITH, C.

RUMANIA/Cultivated Plants - Fruits, Berries

8-M

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1734

Author : C. Ionitse

Inst : Not Given

Title : A Study of the Yielding Capacity of the Tuleu Gras Variety

Plum

Orig Pub: Gradina, via si livada, 1956, 5, No 5, 66-69

Abstract: As a result of studies in the nursery of Istritsa (district

of Ploesti) in 1950 to 1952 and 1952 to 1954, it was made apparent that the stamen of the prune flowers of the variety Tuleu gras do not have pollen. Such peculiar phenomenon is very rarely found in the fruitbearing trees. Tests have shown that the best pollinator for the Tuleu gras prune is the

Medovayie red prune. The Anna Shpet and Agan Varieties are

also good pollinators.

Card : 1/1

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051871

RUMANIA/Cultivated Plants - Fruits. Berries.

Abs Jour

: Ref Zhur - Biol., No 7, 1958, 29999

Author

: Ionita, C.

Inst Title

: Fruit Growing on Mountain Skopes.

Orig Pub

: Gradina, via si livada, 1957, 6, No 2, 1-7 (Rum.)

Abstract : The necessity is indicated of utilizing the huge area on mountain slopes, forest steppes and the steppe zones for fruit crops, especially the apple. Apple trees in high mountain zones in the opinion of the author are best placed with southern, western and eastern exposures, for the middle altitide zone with an altitude of 600-700 m. the western and eastern slopes are best, and for the low mountains of the steppe and forest steppe zones the northern,

western and eastern slopes are most suitable.

Card 1/1

IONITA, C.; PANDELE, I.

Some very valuable varieties of domestic cherries. p. 947

COMUNICARILE. Bucuresti, Rumania. Vol. 8, no. 9, Sept. 1958

Monthly list of European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051871

COUNTRY	: RUMANIA : Gultivated Plants. Fruits. Berries. M	
ABS. JOUR.	: RZnBiol., No. 23, 1958, No. 104849	
AUTHOR INST. TIPLE	: Ionita C	
ORIG. PUR.	: Gradina, via ai livada, 1958, 7, No. 4, 36-41	
ARSTRACT	: No abstract.	
_		
CARD: 1/1		

RUMANIA

ANDRONESCU, M., MD; ARESTEANU, L., MD; BULIGESCU, L., MD; COLITA, D., MD; DEMIRIAN, N., MD; IONESCU, Gonovova, MD; IONITA...C., MD; MARINESCU, N., MD; MOLDOVAN, T., MD; PAUNESCU, C., Lecturer; SEROPIAN, E., MD; STIGLET, C., MD; SUCIU, D., MD; VASILESCU, G., MD.

Medical Clinic of the "Carol Davila" Hospital" (Clinica medicala a Spitalului "Carol Davila") - (for all)

Bucharest, Viata Medicala, No 3, 1 Feb 64, pp 167-181

*Data Concerning Dispensary Supervision and Treatment of Epidemic Hepatitis in a Section of the town of Bucharest.

(14)

BULIGESCU, L.dr.; IDIDOVAN, T., dr.; MARTINESCU, N., dr.; IONITA, C., dr.

Current status of the treatment of chronic hepatitis. Med.
intern. (Buour) 16 no.9:1025-1037 S '64.

1. Lu rare efectuate in Clinica medicala a Spitalului "Dr.

C. Davila" (direktor: conf. S. Cicrapciu).

CIOBANU, Nadejda, ing.; ICHITA, Coca

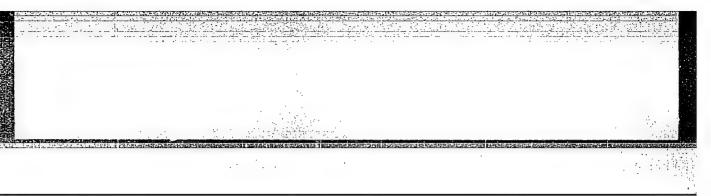
Research on the acceleration of meat maturation in the process of sausage manufacture. Ind alim anim 11 no.2341-45 P.63

1. Ministerul Comertului Exterior (for Ciobanu). 2. Institutul de cercetari alimentare (for Ionita).

CURCANEANU, D.; CURCANEANU, Alexandra; MOLDOVEANU, Elena; IONITA, Dumitra

A chromatographic method for the separation and direct determination of DDT and gamma HCH in a mixture. Studii chim Iasi 12 no.2:251-262 '61.

l. Laboratorul central de cercetari al Combinatului chimic Borsesti.



IONITA, G.

IONITA, G. Models of particles with spatial extension. p. 328 GAZETA MATEMATICA SI FIZICA. SERIA A. Bucuresti, Rumania Vol. 7, No. 7, July 1955

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

RUMANIA/Atomic and Molec.lar Physics - Physics of the Atom.

D

Abs Jour : Ref Zhur Fizika, No 9, 1959, 19961

Author : Ionita, G.

Inst :

Title

: Spectral Corrections Calc lated with Allowance for the

RApid Rotation of a Spatially Extended Nucleus.

Orig Pub : Studii si cercetari stiint. Acad. RPR Fil Iasi. Fiz.

si stiinte tehn., 1957, 8, No 1, 1-10

Abstract : The author represents a continuation of the joint work

of the author and of Vescan (Referat Zhur Fizika, 1957, No 2, 2913, 1958, No 4, 7958), devoted to the study of the limits of applicability of the ordinary quantum representations in the theory of atomic spectra. For this purpose, three dimensional models were examined of various charged particles (nuclei and electrons), the motions of which were investigated with the aid of methods of relativistic mechanics. It is assumed in the

Card 1/3

RUMANIA/Atomic and Molecular Physics - Physics of the Atom.

n

Abs Jour : Ref Zhur Fizika, No 9, 1959, 19961

present paper that the point electron moves around a spherical nucleus, having a mass M, a charge Ze, which rotates rapidly at an angular velocity wabout a certain fixed axis. The type of metric ds2 is established in a spherical system of coordinates, and it is assumed because of symmetry considerations that $@=\pi\ell/2$. An expression is obtained for the interaction force between the spherical nucleus and the point electron; the condition $\delta \int ds = 0$ is used to calculate the component a φ and a_r of the acceleration. The form of the Hamiltonian is established and the Sommerfeld-Wilson quantum conditions are used to calculate the total energy of the atom under consideration. In the case of the H line of the hydrogen atom, the formula obtained fro the total energy gives a distance of 0.3325 cm-1 for the distance between the components of the doublet, while the ordinary Sommerfeld formula, which does not contain a

Card 2/3

- 23 -

RUMANIA/Atomic and Molecular Physics - Physics of the Atom.

Abs Jour : Ref Zhur Fizika, No 9, 1959, 19961

term dependent on the angular velocity, yields 0.3651
cm⁻¹. The experimental value is 0.3060 cm⁻¹.

Bibliography, 9 titles.

IONITA, Georgeta

Experimental methods of observing fine and hyperfine structures. Studii fix tehn Iasi 10 no.1:29-59 '59 (EEAI 9:3)

1. Filiala Insi a Academici Republicii Populare Romine.
(Spectrum analysis) (Atom)
(Magnetic resonance) (Interferometer)

8/058/62/000/009/008/069 A006/A101

AUTHOR:

Ionita, Georgeta

TITLE:

TEXT:

Relativistic metrics of toroidal symmetry

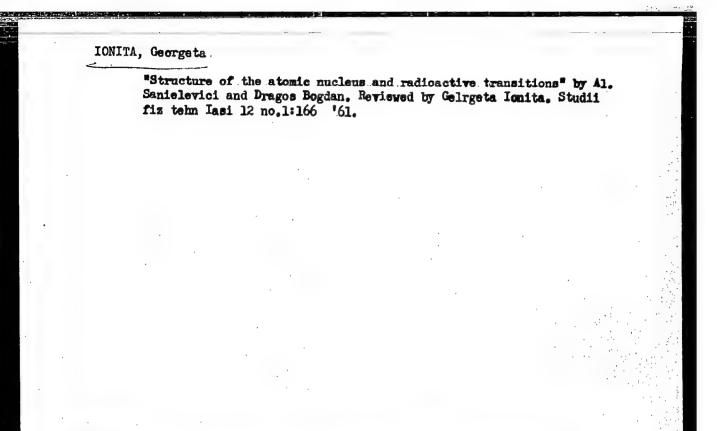
PERIODICAL:

Referativnyy zhurnal, Fizika, no. 9, 1962, 95, abstract 9B740 ("Studii și cercetări științ. Acad. RPR Fil. Iași Fiz. și științe tehn.", 1960, v. 11, no. 2, 165 - 170, Roumanian; summaries in Russian and French)

The author analyzes the approximate expression of electrodynamic relativistic force, acting upon a particle moving in plasma that was-produced in a toroidal unit (e.g. in a "Zeta" unit).

[Abstracter's note: Complete translation]

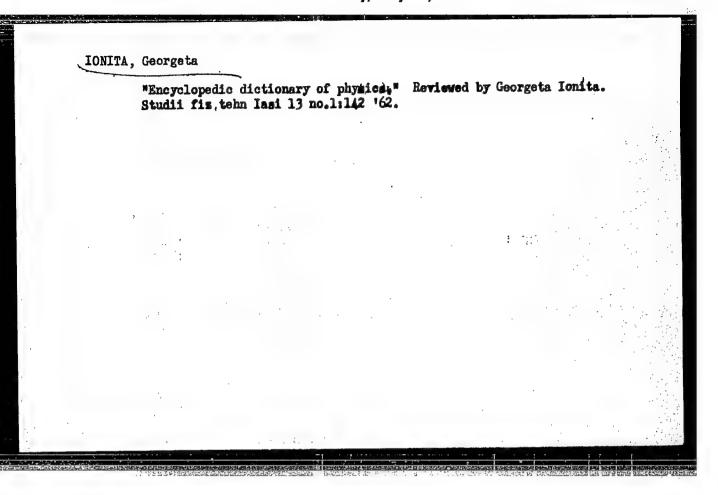
Card 1/1

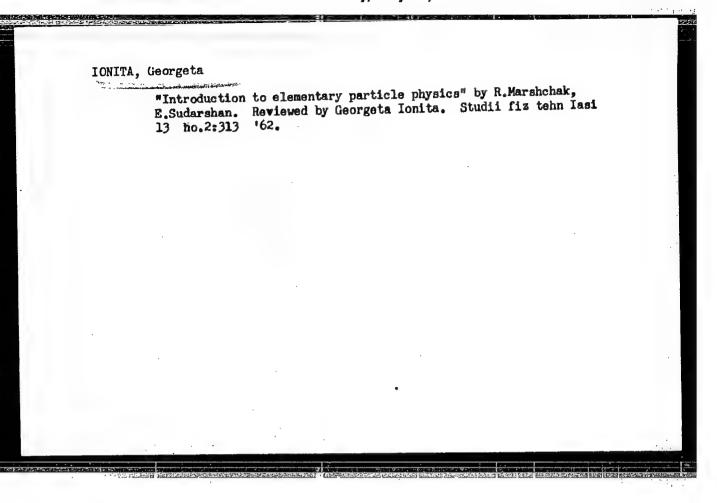


IONITA, Gheorghe, ing. (Bucuresti); NENITA, Eugen, ing. (Bucuresti)

Automation of hydroelectric power stations in Rumania. Energetica Rum 10 no.7:302-310 Jl *62.

1. Projectant sef la Institutul de studii si projectari energetice (for Ionita). 2. Projectant la Institutul de studii si projectari energetice (for Nenita).





VIICU, Cristian, ing.; IONITA, Georgeta, ing. principal

Design problems in the illuminating installations for squares and interesections. Energetica Rum 12 no. 1: 44-57 Ja 164.

ACC NR. A16034179	SOURCE CODE: RU/0017/66/000/003/0144/0148
AUTHOR: Ionita, I. (Engineer)	35 B
ORG.: Folitehnic), Galati.	lytechnical Institute (Institututul
TITLE: Considerations on the ob	taining of parous cellular aluminum
SOURCE: Metallurgia, no. 3, 1960	5, 144-148
TOPIC TAGS: porous metal, alumin	num metallurgy, cast alloy
reports on experiments perform of porous aluminum alloys. use of a new method based on	ummar; modified]: The author rmed to improve the preparation Successful tests involved the casting of the alloy in a mold which are removed by dissolving.
	cmulas and 1 cable. /J.RS 36,867 one / GRIG REF: 002 / OTH REF: 002
Card 1/1 ad	URG: 669.715-496.3

	IONITA	m.		•
	COUNTRY CATEGORY	RUMANIA Cultivated Plants. Forage Crops. M		
	ABS. JOUR.	RZhBiol., No. 23 195'8, No. 104730		
	AUTHOR INST.	Ionita, M. Opris, I. On the Study of Embryoless Seeds of Forage Perennial Coreals.		
	ORIG. PUB.			
ļ	ABSTRACT	* The presence of seeds without embryo was studied with the aid of disphenoscope in the yield of the droughty year of 1952. There proved to be 65.2% of such seeds in Alopecurus pratensis, in Bromus erectus 57.2%. Festuca rubra 53.5%. in Dactylis glomerata 50.4%, in Arthenatesum elatius 9.2%. Ye. A. Okofosova		
	:			
	Card: 1/1	70 ▲		
			,	

IONITA hamania Cultivated Plants. Fonder Grasses and Roots. 0..TM80AT : Ref Emer -Brologiya, No. 5, 1959, No. 20346 ans. Jeule: Ionita, M.; Opris, I. SOUTH Timiscara Agronomy Inst. The Effect of Combined Application of Mineral, INST. Fertilizers on the Hay Components of Four TITLE Species of Perennial Cultivated Grain Grasses. Anuarul lucrar. stiint. Inst. agron. Timisoara, onig. PUB.: Bucuresti, 1957, 73-82 To determine the factors which affect the quantitative correlation between the compo-BETT OF 1 nent parts of hay (leaves, stems and blossoms) experiments were made in the following variants: NPK, NP, NK, and PK. Crested wheatgrass, tall oatgrass, dewgrass and meadow feacue were sown. The application of the fertilizers increased the amount of stems in desgrass by 10-31%, and in wheatgrass by 3-6%, while this was reduced in the instance of oatgrass and : 1/2 3/13.0:

IONITA M. * RUPLANIA M COUNTRY Cultivated Plants. Forage Crops. CATEGORY RZhBiol., No. 23 195.8. No. 104727 ABS. JOUR. : Ionita N. AUTHOR : The Yield of the Seeds of Hairy Vetch in Relation to TNST. Its Proportion in Mixture with Rye. TITLE : Anuarul lucrar. stiint. Inst. agron. Timisoara, Bucuresti. ORIG. PUB. : As the result of 6-year studies, it has been determined that the best cover crop from winter grains is rye. The ABSTRACT greatest yield of villous vetch and aggregate yield of the mixture was obtained with the sowing on 1 hectere 40 kilograms of vetch seeds and 80 kilograms of rye. -- Ye. A. Okorokova Card: 1/1 69

GILCA, F., candidate in stiinte economice; IONITA, M., candidatain tiinte economice

"Increased rentability of stite agricultural farms" by V.Baghinschi.
Reviewed by F.Gilca and M.Ionita. Probleme econ 15 no.2:142-146 F'62.

GHICA, F., candidat in stiinte economice; IONITA. M., candidat in stiinte economice

Many-gided and intensive development of production on collective farms. Probleme econ 15 no.8:43-56 Ag *62.

GILCA, Fl, candidat in stiinte economice; IONITA, M., candidat in stiinte economice; REDE, D., candidat in stiinte economice

Aspects of economic efficiency of sunflower cultures on collective
farms in the Galarisi District. Probleme econ 16 no.1:117-123 Ja '63.

GHCA, Fl., cand. in still connember 10HTA, M., cand. In still economics

"Course of economic construction, economy and organization of socialist agricultural units." Reviewed by Fl. 6 los. M. lonus.

Probleme econ 18 no.2:141-145 F 165.

GLICA, Fl., candidat in stiinte economice; IONITA, M., candidat in stiinte economice

Size of stockbreeding farms in the production agricultural cooperatives in the Calarasi District. Problems scon 18 no.1:108-115 Ja '65.

Strang (in caps); Given Names

Country: Rumania

Academic Degrees: -not given-

Affiliation: -not given-

Source: Bucharest, Stiinta si Tehnica, No 4, 1961, pp 30-31.

Data: "The USA in a Period of Economic Decline."

TONITA, Maria

Country: Rumania

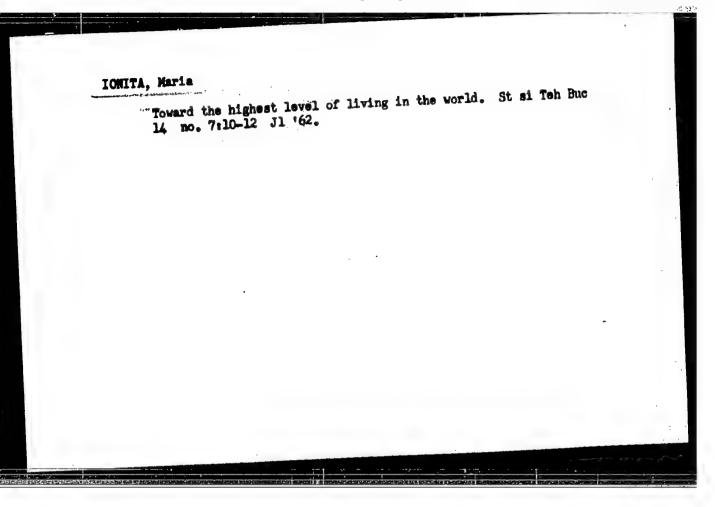
Academic Degrees: -not given-

Affiliation: -not given-

Source: Bucharest, Stiinta si Tehnica, Vol XIII, No 12, Dec 1961, pp 12-13.

Data: "Figures and Data on Population."

400 961645



MARINESCU, Eliza, dr.; DEBAU, M. dr.; IONITA, O., dr.; IONESCU, M., dr.

Value of radiological examination in the diagnosis of chronic gastritis. Med. intern. (Bucur.) 17 no.9:1031-1034 S 165.

1. Incrare efectuata in Clinica a V-a medicala, Centrul de gastroenterologie, Bucuresti (director: prof. T. Spirchez).

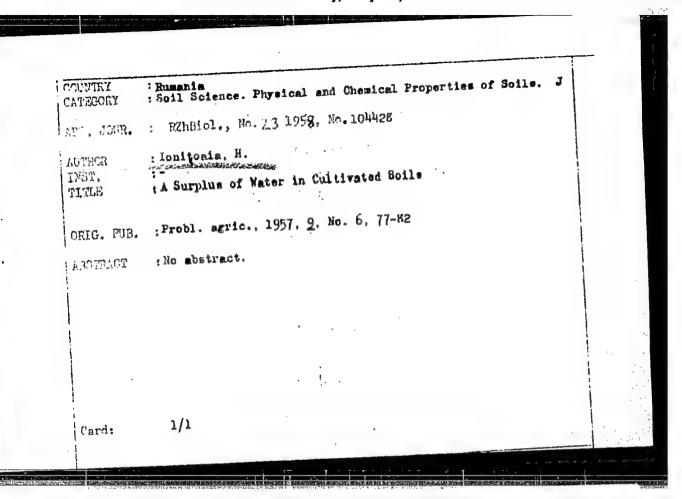
IONITA, Stan

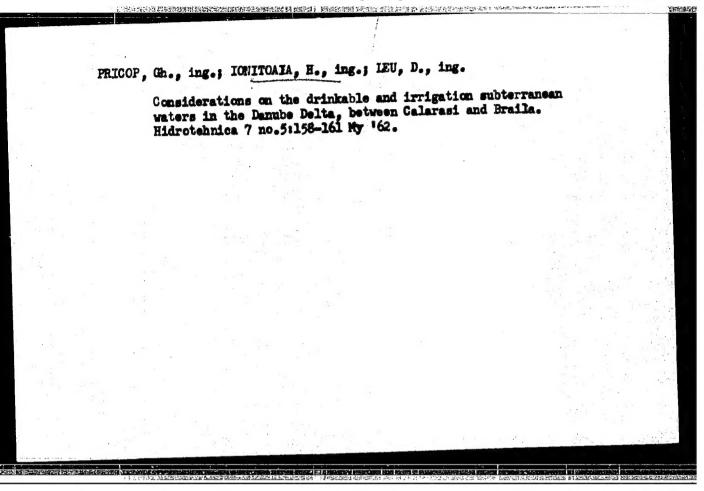
Some new data for the geology of the Nereju-Reghiu-Andreiasu region (Vrancea). Dari seama sed 49 pt.1:287-307 '61-'62 [publ. '64].

1. Submitted March 18, 1960.

MAXIMILIAN, C.; ICNITTU,D.; ILIESCU, Ileana; AUGUSTIN,M.

The normal XX chromosome complement in women with malformations of the genital tract. Comunicarile AR 13 no.98843-846 S 63.





Outline of the ameliorative distribution of phreatic waters on the territory of Rumania, with special consideration given to soils adequate for land improvement works. Hidrotehnica 7 no.11:394-402 N 162.

IONKER,	A.V., inzh.			
	Preventing electric motors truda v prom. 5 no.8:24-	from working on two 25 Ag '61.	phases.	Bezop. (MIRA 14:8)
	1. Giprouglegormash.	(Electric motors)		
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